

REMARKS

Applicant respectfully requests reconsideration of the subject application as amended. In response to the Office Action mailed 05/19/06, Applicant is filing this amendment. Claims 1, 2, 4, 5, 10-12, 14, 15, 18, 23-25 and 27 are still pending.

In the Office Action mailed 05/19/06, the Examiner has rejected claims 1, 2, 4, 5, 14, 15, 18 and 27 under 35 U.S.C. §103(a) as being unpatentable over Riordan et al (U.S. Patent 5,027,270; “Riordan”) in view of Patel et al. (U.S. Patent 5,353,426; “Patel”). Furthermore, the Examiner has rejected claims 1-12 and 23-25 under 35 U.S.C. §103(a) as being unpatentable over Riordan in view of Patel and further in view of Merchant et al. (U.S. Patent 6,665,792; “Merchant”). Applicant submits that none of the relied upon references teach the claimed embodiments of the invention as now amended.

Applicant has read the Examiner’s reasons for the rejections and has amended the claims to now recite integer and floating instruction pipelines, which are separate from the load/store pipeline. The amended independent claims now claim a detection of a load miss of a load instruction in the load/store pipeline, which results in a stalling of instruction issue to the integer and floating point instruction pipelines until a fill data is returned in response to the load instruction. This prevents instruction issue to the integer and floating point pipelines until fill data of the corresponding load miss is returned.

Applicant submits Riordan, Patel and Merchant, singly or combined, fail to disclose these aspects of the claimed embodiments of the invention.

Accordingly, Applicant submits that Riordan, Patel and Merchant fail to disclose the embodiments of the invention as now recited in the amended claims.

Accordingly, Applicant respectfully requests the Examiner to withdraw the 35 U.S.C. §103(a) rejection and allow pending claims 1, 2, 4, 5, 10-12, 14, 15, 18, 23-25 and 27, as amended.

Furthermore, in order to respond to the outstanding office action, Applicant is also submitting a petition for one-month extension of time under a separate cover.

Additionally, a new power of attorney is being submitted herewith, in order to associate this application with Customer Number 51472.

If there are any fee shortages related to this response, please charge such fee shortages to Deposit Account No. 50-2126.

Respectfully submitted,

GARLICK, HARRISON & MARKISON, LLP
(Customer No. 51472)

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By: William W. Kidd

William W. Kidd

Reg. No. 31,772

Phone: (512) 263-1842

Fax No: (512) 263-1469

Email: wkidd@texaspatents.com